

In the Title

Please change title to read as follows:

DATA TRANSMISSION SYSTEM, ~~DATA TRANSMISSION DEVICE, AND~~
~~METHOD THEREFOR~~ TRANSMITTER, AND TRANSMITTING METHOD

Amendments to the Specification

Please replace the paragraph beginning at page 72, line 24, with the following rewritten paragraph:

Next, the data transmission devices 1e and 1f determine whether the transmission/reception sections 4e and 4f have received the lock signal LS from the respective upstream data transmission device 1 (step S207). At this time, the data transmission devices 1a, 1e, and 1f, which have been set to be masters, are sending the lock signal LS to the downstream data transmission device 1 at the above-described steps S106 and S206 (the state of FIG. 20). Therefore, if the master data transmission devices 1e and 1f receive the lock signal LS from the upstream data transmission device 1, this means that the data transmission devices 1e and 1f are not located most upstream, in electrical communication, from the disconnection point (the data transmission device 1f in FIG. 20). On the other hand, if the master data transmission devices 1e and 1f do not receive the lock signal LS from the upstream data transmission device ~~1f~~ 1, this means that the data transmission devices 1e and 1f are located most upstream, in electrical communication, from the disconnection point (the data transmission device 1e in FIG. 20).